

Advance Summary

U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves

2004 Annual Report

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Advance Summary: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 2004 Annual Report

Proved reserves of natural gas increased by 2 percent in 2004, making it the sixth year in a row that U.S. natural gas reserves have increased. The U.S. total went up even though Gulf of Mexico natural gas proved reserves dropped an unusually large 15 percent primarily due to low new discoveries. Nevertheless because onshore lower 48 States reserves additions were over 21 trillion cubic feet, total U.S. reserves additions replaced 118 percent of 2004 dry gas production.

As of December 31, 2004 proved reserves were:

Crude Oil (million barrels)	
2003	21,891
2004	21,371
Decrease	-2.4%
Dry Natural Gas (billion cubic feet)	
2003	189,044
2004	192,513
Increase	+1.8%
Natural Gas Liquids (million barrels)	
2003	7,459
2004	7,928
Increase	+6.3%

Crude oil proved reserves declined by 2 percent in 2004 owing mostly to a large 9 percent decrease in the Gulf of Mexico. Boosted by reserves additions in Wyoming, Montana, North Dakota, and Texas, the crude oil proved reserves of the onshore lower 48 States increased by 0.1 percent. However, three of the four largest crude oil reserves areas, the Gulf of Mexico, Alaska, and California, registered reserves declines. U.S. new field discoveries were the lowest in 12 years and as a result operators only replaced 71 percent of crude oil production with reserves additions.

Natural gas liquids proved reserves grew by 6 percent in 2004, rebounding from their 2003 decline.

Proved reserves are the estimated quantities which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions. Petroleum engineering and geological judgment are required in estimating proved reserves; therefore the results are not precise measurements.

Natural Gas

Increased onshore natural gas drilling in 2004 resulted in large reserves additions to known fields. Discoveries of new gas fields, however, were the lowest in 12 years. While natural gas proved reserves have increased in ten of the past eleven years, production has not. Total U.S. dry gas production declined 1 percent in 2004.

The large proved natural gas reserves drop experienced in the Gulf of Mexico was primarily due to low new field discoveries and relatively large negative revisions to proved reserves, but Hurricane Ivan certainly didn't help. Twenty percent of U.S. dry natural gas production is from the Gulf of Mexico Federal Offshore and Ivan caused infrastructure damage that impacted oil and gas production in the Gulf in the last quarter of 2004. Ivan's damage will also reduce 2005 Gulf production from what it could have been.

Total discoveries are those reserves attributable to field extensions, new field discoveries, and new reservoir discoveries in old fields. They result from the drilling of new wells. Total discoveries of dry gas reserves were 20,163 billion cubic feet in 2004. This was 32 percent more than the prior 10-year average and 5 percent more than in 2003.

The majority of natural gas total discoveries in 2004 were from extensions to existing gas fields. There were almost 2 trillion cubic feet more reserves from extensions than in 2003 with Texas and Wyoming leading the Nation. Field extensions were 18,198 billion cubic feet, 11 percent more than extensions in 2003 and 66 percent more than the prior 10-year average of 10,976 billion cubic feet.

New field discoveries were 759 billion cubic feet, 38 percent less than the volume discovered in 2003 and 59 percent less than the prior 10-year average.

New reservoir discoveries in old fields were 1,206 billion cubic feet, down 25 percent from 2003 and 50 percent less than the prior 10-year average.

Natural gas net revisions and adjustments were 630 billion cubic feet, which is 48 percent less than the net revisions and adjustments of 2003. The net of sales and acquisitions of dry natural gas proved reserves was 1,844 billion cubic feet.

Coalbed natural gas is becoming a mature source that in 2004 accounted for 9 percent of U.S. dry gas production. Production increased 7 percent, but

coalbed natural gas proved reserves decreased 2 percent to 18,390 billion cubic feet. Even so, it still accounted for almost 10 percent of 2004 U.S. dry gas proved reserves. The last prior reported decline was in 1994.

Other 2004 natural gas events of note:

- Natural gas prices were up 12 percent in 2004 to an average of \$5.49 per thousand cubic feet at the wellhead, as compared to \$4.88 per thousand cubic feet in 2003.
- Exploratory and developmental gas completions were up 15 percent from 2003.

Crude Oil

Operators only replaced 71 percent of crude oil production with reserves additions in 2004. U.S. crude oil proved reserves declined over 2 percent as new field discoveries reported in 2004 were the lowest in 12 years. Of the four largest crude oil proved reserves areas in the U.S. (the Gulf of Mexico, Texas, Alaska, and California) only Texas reported an increase in proved crude oil reserves in 2004 (1 percent). The Gulf of Mexico declined 9 percent, Alaska declined 3 percent, and California declined 2 percent. In the Rockies, however, Wyoming (#6 in the Nation for crude oil proved reserves), North Dakota (#9) and Montana (#10) had significant proved reserves increases.

Total discoveries of crude oil were 782 million barrels in 2004, 29 percent less than the prior 10-year average and 37 percent less than 2003's discoveries of 1,232 million barrels.

The majority of crude oil total discoveries in 2004 came from extensions to fields in Texas, Alaska, and the Gulf of Mexico Federal Offshore. Operators discovered 617 million barrels in extensions in 2004, 45 percent more than in 2003 and 22 percent more than the prior 10-year average.

New field discoveries accounted for 33 million barrels of crude oil reserves additions. Almost all of these small discoveries (27 of the 33 million) were in the Gulf of Mexico Federal Offshore. This was the lowest volume of new field discoveries in 12 years, 95 percent less than the new field discoveries of 2003, and only 8 percent of the prior 10-year average (422 million barrels).

New reservoir discoveries in old fields were 132 million barrels, 31 percent more than in 2003 and 26 percent less than the prior 10-year average.

Reserves additions are the sum of total discoveries, revisions, adjustments, sales, and acquisitions.

Reserves additions in 2004 were 1,299 million barrels, 19 percent more than the 2003 volume but 32 percent less than the prior 10-year average.

Crude oil net revisions and adjustments were 494 million barrels, 92 percent more than the net revisions and adjustments of 2003. The net of sales and acquisitions of crude oil proved reserves was 23 million barrels.

Other 2004 crude oil events of note:

- The annual average domestic first purchase price for crude oil increased 33 percent from the 2003 level to \$37.77 per barrel.
- The West Texas Intermediate crude oil spot price underwent significantly higher price fluctuations in late 2004 and 2005.
- Exploratory and developmental oil completions were down 2 percent from 2003.

Natural Gas Liquids

Natural gas liquids reserves are the sum of lease condensate reserves and natural gas plant liquids reserves. Lease condensate reserves increased only slightly in 2004 (less than 1 percent). Natural gas liquids proved reserves posted a 6 percent increase, recovering from the loss reported in the prior year. Texas led the Nation in natural gas liquids proved reserves additions in part because of extensions to existing fields. Operators replaced 157 percent of U.S. natural gas liquids production with reserves additions. Natural gas plant liquids reserves increased by 7 percent in 2004 because operators of natural gas processing plants produced 6 percent more natural gas plant liquids and extracted a higher average percentage of liquids from the processed gas. In total, U.S. natural gas liquids proved reserves increased by over 6 percent in 2004 to 7,928 million barrels.

Total proved reserves of liquid hydrocarbons (crude oil plus natural gas liquids) were 29,299 million barrels in 2004, a less than 1 percent decrease from the 2003 level. Natural gas liquids represented 27 percent of total liquid hydrocarbon proved reserves in 2004.

Data

These estimates are based upon analysis of data from Form EIA-23, Annual Survey of Domestic Oil and Gas Reserves, filed by 1,341 operators of oil and gas wells, and Form EIA-64A, Annual Report of the Origin of Natural Gas Liquids Production, filed by operators of 493 active natural gas processing plants. The U.S. proved reserves estimates for crude oil and natural gas are associated with sampling errors of less than 1 percent.

Table 1. Total U.S. Proved Reserves of Crude Oil, Dry Natural Gas, and Natural Gas Liquids, 1994-2004

Year	Adjustments (1)	Net Revisions (2)	Revisions ^a and Adjustments (3)	Net of Sales ^b and Acquisitions (4)	Extensions (5)	New Field Discoveries (6)	New Reservoir Discoveries in Old Fields (7)	Total ^c Discoveries (8)	Estimated Production (9)	Proved ^d Reserves 12/31 (10)	Change from Prior Year (11)
Crude Oil (million barrels of 42 U.S. gallons)											
1994	189	1,007	1,196	NA	397	64	111	572	2,268	22,457	-500
1995	122	1,028	1,150	NA	500	114	343	957	2,213	22,351	-106
1996	175	737	912	NA	543	243	141	927	2,173	22,017	-334
1997	520	914	1,434	NA	477	637	119	1,233	2,138	22,546	+529
1998	-638	518	-120	NA	327	152	120	599	1,991	21,034	-1,512
1999	139	1,819	1,958	NA	259	321	145	725	1,952	21,765	+731
2000	143	746	889	-20	766	276	249	1,291	1,880	22,045	+280
2001	-4	-158	-162	-87	866	1,407	292	2,565	1,915	22,446	+401
2002	416	720	1,136	24	492	300	154	946	1,875	22,677	+231
2003	163	94	257	-398	426	705	101	1,232	1,877	21,891	-786
2004	74	420	494	23	617	33	132	782	1,819	21,371	-520
Dry Natural Gas (billion cubic feet, 14.73 psia, 60° Fahrenheit)											
1994	1,945	5,484	7,429	NA	6,941	1,894	3,480	12,315	18,322	163,837	+1,422
1995	580	7,734	8,314	NA	6,843	1,666	2,452	10,961	17,966	165,146	+1,309
1996	3,785	4,086	7,871	NA	7,757	1,451	3,110	12,318	18,861	166,474	+1,328
1997	-590	4,902	4,312	NA	10,585	2,681	2,382	15,648	19,211	167,223	+749
1998	-1,635	5,740	4,105	NA	8,197	1,074	2,162	11,433	18,720	164,041	-3,182
1999	982	10,504	11,486	NA	7,043	1,568	2,196	10,807	18,928	167,406	+3,365
2000	-891	6,962	6,071	4,031	14,787	1,983	2,368	19,138	19,219	177,427	+10,021
2001	2,742	-2,318	424	2,630	16,380	3,578	2,800	22,758	19,779	183,460	+6,033
2002	3,727	937	4,664	380	14,769	1,332	1,694	17,795	19,353	186,946	+3,486
2003	2,841	-1,638	1,203	1,034	16,454	1,222	1,610	19,286	19,425	189,044	+2,098
2004	-114	744	630	1,844	18,198	759	1,206	20,163	19,168	192,513	+3,469
Natural Gas Liquids (million barrels of 42 U.S. gallons)											
1994	43	197	240	NA	314	54	131	499	791	7,170	-52
1995	192	277	469	NA	432	52	67	551	791	7,399	+229
1996	474	175	649	NA	451	65	109	625	850	7,823	+424
1997	-15	289	274	NA	535	114	90	739	864	7,973	+150
1998	-361	208	-153	NA	383	66	88	537	833	7,524	-449
1999	99	727	826	NA	313	51	88	452	896	7,906	+382
2000	-83	459	376	145	645	92	102	839	921	8,345	+439
2001	-429	-132	-561	102	717	138	142	997	890	7,993	-352
2002	62	31	93	54	612	48	78	738	884	7,994	+1
2003	-338	-161	-499	30	629	35	72	736	802	7,459	-535
2004	273	97	370	112	734	26	54	814	827	7,928	+469

^aRevisions and adjustments = Col. 1 + Col. 2.

^bNet of sales and acquisitions = acquisitions - sales.

^cTotal discoveries = Col. 5 + Col. 6 + Col. 7.

^dProved reserves = Col. 10 from prior year + Col. 3 + Col. 4 + Col. 8 - Col. 9.

NA=Not available.

Notes: Old means discovered in a prior year. New means discovered during the report year. The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves" and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official EIA production data for crude oil, natural gas, and natural gas liquids for 2004 contained in the *Petroleum Supply Annual 2004*, DOE/EIA-0340(04) and the *Natural Gas Annual 2004*, DOE/EIA-0131(04).

Table 2. Crude Oil Proved Reserves, Reserves Changes, and Production, 2004
 (Million Barrels of 42 U.S. Gallons)

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	4,446	-1	191	144	0	0	111	0	58	334	4,327	
Lower 48 States	17,445	75	1,748	1,375	937	960	506	33	74	1,485	17,044	
Alabama.....	52	2	0	4	0	0	8	0	0	5	53	
Arkansas	50	1	4	1	0	0	1	2	0	6	51	
California	3,452	3	210	97	142	147	42	0	0	239	3,376	
Coastal Region Onshore	395	-5	16	23	11	17	8	0	0	17	380	
Los Angeles Basin Onshore....	319	4	7	50	0	0	22	0	0	16	286	
San Joaquin Basin Onshore ..	2,565	4	154	20	114	115	10	0	0	191	2,523	
State Offshore	173	0	33	4	17	15	2	0	0	15	187	
Colorado	217	-1	16	4	10	13	12	0	0	18	225	
Florida	68	1	0	1	0	0	0	0	0	3	65	
Illinois.....	125	-7	11	2	25	0	0	0	0	10	92	
Indiana.....	19	-6	2	0	2	0	0	0	0	2	11	
Kansas.....	243	10	38	13	15	11	4	0	0	33	245	
Kentucky	25	3	1	2	0	0	2	0	0	2	27	
Louisiana	452	0	67	71	31	29	32	2	4	57	427	
North	66	3	10	14	2	1	3	0	0	9	58	
South Onshore.....	314	-3	42	43	21	21	25	2	3	36	304	
State Offshore	72	0	15	14	8	7	4	0	1	12	65	
Michigan	75	-12	2	9	0	0	2	0	0	5	53	
Mississippi	169	-5	32	2	4	5	0	0	0	17	178	
Montana.....	315	-5	54	32	5	10	47	0	2	22	364	
Nebraska	16	1	1	1	0	1	0	0	0	3	15	
New Mexico.....	677	11	60	48	76	72	32	0	1	60	669	
East	668	13	58	47	76	72	32	0	1	59	662	
West.....	9	-2	2	1	0	0	0	0	0	1	7	
North Dakota.....	353	-4	167	115	27	32	14	0	1	32	389	
Ohio.....	66	-16	6	3	0	0	1	0	0	5	49	
Oklahoma	588	23	96	104	56	58	15	0	1	51	570	
Pennsylvania.....	13	1	1	2	0	0	1	0	0	2	12	
Texas.....	4,583	71	401	261	229	281	125	2	0	360	4,613	
RRC District 1	59	-1	9	2	4	2	2	1	0	8	58	
RRC District 2 Onshore	51	9	2	4	1	1	6	0	0	8	56	
RRC District 3 Onshore	190	24	50	47	16	9	3	0	0	28	185	
RRC District 4 Onshore	30	1	6	7	0	0	1	0	0	4	27	
RRC District 5	20	0	7	1	0	1	0	0	0	4	23	
RRC District 6	189	13	8	12	1	2	4	0	0	16	187	
RRC District 7B	68	4	11	2	8	6	4	0	0	10	73	
RRC District 7C	205	-3	9	10	8	9	20	0	0	16	206	
RRC District 8	1,513	7	120	95	81	129	67	1	0	109	1,552	
RRC District 8A	2,089	9	162	56	104	112	14	0	0	136	2,090	
RRC District 9	114	4	10	15	3	4	3	0	0	15	102	
RRC District 10	48	1	6	9	2	5	1	0	0	5	45	
State Offshore	7	3	1	1	1	1	0	0	0	1	9	
Utah.....	221	3	14	17	27	27	7	0	0	13	215	
West Virginia	13	-4	3	0	0	0	0	0	0	1	11	
Wyoming	517	4	110	23	54	56	61	0	0	43	628	
Federal Offshore	5,120	3	450	562	234	218	99	27	65	495	4,691	
Pacific (California)	566	1	24	14	103	97	4	0	0	28	547	
Gulf of Mexico (Louisiana)....	4,251	2	319	448	106	119	94	27	65	404	3,919	
Gulf of Mexico (Texas).....	303	0	107	100	25	2	1	0	0	63	225	
Miscellaneous ^a	16	-2	2	1	0	0	1	0	0	1	15	
U.S. Total	21,891	74	1,939	1,519	937	960	617	33	132	1,819	21,371	

^aIncludes Arizona, Missouri, Nevada, New York, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for crude oil for 2004 contained in the *Petroleum Supply Annual 2004, DOE/EIA-0340(04)*.

Source: Energy Information Administration, Office of Oil and Gas.

Table 3. Dry Natural Gas Proved Reserves, Reserves Changes, and Production, 2004
 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Estimated Production (-)	Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)			
Alaska	8,285	-1	632	207	0	0	141	0	35	478	8,407		
Lower 48 States	180,759	-113	26,261	25,942	11,106	12,950	18,057	759	1,171	18,690	184,106		
Alabama.....	4,301	34	162	155	29	0	131	3	0	327	4,120		
Arkansas	1,663	13	200	91	24	52	170	4	18	170	1,835		
California	2,450	19	440	152	128	147	100	0	5	247	2,634		
Coastal Region Onshore	167	-3	32	9	3	7	8	0	0	10	189		
Los Angeles Basin Onshore....	187	1	4	48	0	0	40	0	0	10	174		
San Joaquin Basin Onshore ..	2,013	26	389	94	123	138	51	0	5	220	2,185		
State Offshore	83	-5	15	1	2	2	1	0	0	7	86		
Colorado	15,436	-55	1,505	2,167	2,528	2,397	1,017	171	17	1,050	14,743		
Florida	79	3	0	1	0	0	0	0	0	3	78		
Kansas.....	4,819	24	750	647	140	174	47	1	0	376	4,652		
Kentucky	1,889	-40	176	153	5	0	96	0	0	83	1,880		
Louisiana	9,325	-11	1,089	1,229	935	592	1,940	18	121	1,322	9,588		
North	5,074	-12	348	417	588	281	1,521	5	11	453	5,770		
South Onshore.....	3,745	60	629	681	281	250	392	9	83	770	3,436		
State Offshore	506	-59	112	131	66	61	27	4	27	99	382		
Michigan	3,428	-97	205	360	13	14	90	0	31	207	3,091		
Mississippi.....	746	20	48	55	18	9	27	0	7	93	691		
Montana.....	1,059	-56	73	124	3	3	131	1	6	95	995		
New Mexico.....	17,020	126	2,757	1,771	682	1,323	1,243	20	3	1,527	18,512		
East	3,301	80	646	467	263	434	383	20	3	516	3,621		
West.....	13,719	46	2,111	1,304	419	889	860	0	0	1,011	14,891		
New York.....	365	-93	81	75	12	15	87	0	0	44	324		
North Dakota.....	448	-29	86	57	11	22	7	0	2	51	417		
Ohio.....	1,126	-138	103	64	0	0	29	0	0	82	974		
Oklahoma	15,401	-113	2,173	1,912	511	763	1,983	8	9	1,563	16,238		
Pennsylvania.....	2,487	-188	657	567	28	29	123	0	3	155	2,361		
Texas.....	45,730	674	7,442	6,397	2,780	4,137	5,891	264	312	5,318	49,955		
RRC District 1	1,062	57	111	128	82	91	92	100	1	120	1,184		
RRC District 2 Onshore.....	1,770	3	272	343	154	283	262	13	34	296	1,844		
RRC District 3 Onshore.....	3,349	175	704	901	201	176	344	58	63	582	3,185		
RRC District 4 Onshore.....	8,763	43	1,248	1,531	547	774	1,157	7	80	1,295	8,699		
RRC District 5	5,407	68	1,068	421	295	622	509	7	48	490	6,523		
RRC District 6	6,685	92	891	663	207	481	946	18	78	683	7,638		
RRC District 7B	340	52	23	64	19	22	7	0	0	51	310		
RRC District 7C	4,327	-21	829	458	271	293	316	0	1	348	4,668		
RRC District 8	5,142	7	697	730	269	372	527	44	4	493	5,301		
RRC District 8A	1,056	-4	234	37	17	46	14	4	0	108	1,188		
RRC District 9	3,309	14	423	210	517	552	1,062	0	0	412	4,221		
RRC District 10	4,064	184	777	705	74	345	654	3	0	375	4,873		
State Offshore	456	4	165	206	127	80	1	10	3	65	321		
Utah.....	3,516	113	475	278	946	953	299	5	11	282	3,866		
Virginia.....	1,717	-19	39	69	0	0	146	0	0	72	1,742		
West Virginia.....	3,306	-287	664	256	71	25	185	0	1	170	3,397		
Wyoming	21,744	50	2,853	3,586	865	811	3,105	8	36	1,524	22,632		
Federal Offshore ^a	22,570	-61	4,276	5,734	1,375	1,482	1,193	252	589	3,921	19,271		
Pacific (California)	511	0	22	17	113	103	0	0	0	47	459		
Gulf of Mexico (Louisiana) ^a	16,728	-85	2,034	3,201	998	1,177	1,110	208	514	2,802	14,685		
Gulf of Mexico (Texas).....	5,331	24	2,220	2,516	264	202	83	44	75	1,072	4,127		
Miscellaneous ^b	134	-2	7	42	2	2	17	4	0	8	110		
U.S. Total	189,044	-114	26,893	26,149	11,106	12,950	18,198	759	1,206	19,168	192,513		

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas for 2003 contained in the *Natural Gas Annual 2004*, DOE/EIA-0131(04).

Source: Energy Information Administration, Office of Oil and Gas.

Table 4. Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2004 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Estimated Production (-)	Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)			
Alaska	8,348	0	638	208	0	0	141	0	35	481	8,473		
Lower 48 States	188,797	170	27,478	27,083	11,583	13,558	18,927	790	1,209	19,536	192,727		
Alabama.....	4,345	31	164	157	30	0	133	3	0	330	4,159		
Arkansas	1,666	12	200	91	24	52	170	4	18	170	1,837		
California	2,569	30	462	160	135	154	107	0	5	259	2,773		
Coastal Region Onshore	174	-4	33	10	3	7	9	0	0	10	196		
Los Angeles Basin Onshore....	196	2	4	50	0	0	42	0	0	10	184		
San Joaquin Basin Onshore ..	2,116	36	410	99	130	145	55	0	5	232	2,306		
State Offshore	83	-4	15	1	2	2	1	0	0	7	87		
Colorado	15,893	14	1,556	2,241	2,615	2,480	1,053	177	18	1,086	15,249		
Florida	92	0	0	1	0	0	0	0	0	3	88		
Kansas.....	5,143	66	806	695	151	187	50	1	0	404	5,003		
Kentucky	1,971	-21	185	162	5	0	101	0	0	87	1,982		
Louisiana	9,538	-13	1,119	1,263	954	606	1,973	18	126	1,358	9,792		
North	5,137	-9	352	423	596	284	1,539	5	11	459	5,841		
South Onshore.....	3,874	63	652	705	290	259	406	9	86	797	3,557		
State Offshore	527	-67	115	135	68	63	28	4	29	102	394		
Michigan	3,488	-87	209	367	14	15	91	0	31	212	3,154		
Mississippi.....	748	19	49	55	18	8	27	0	7	93	692		
Montana.....	1,068	-59	73	125	2	3	132	1	6	95	1,002		
New Mexico.....	18,226	8	2,936	1,888	731	1,414	1,328	22	4	1,632	19,687		
East	3,661	40	707	512	288	476	420	22	4	565	3,965		
West.....	14,565	-32	2,229	1,376	443	938	908	0	0	1,067	15,722		
New York.....	365	-93	81	75	12	15	87	0	0	44	324		
North Dakota.....	497	-30	96	64	12	25	8	0	2	57	465		
Ohio.....	1,127	-138	103	64	0	0	29	0	0	82	975		
Oklahoma	16,231	-37	2,302	2,026	541	808	2,100	9	10	1,656	17,200		
Pennsylvania.....	2,497	-188	660	569	28	29	123	0	3	156	2,371		
Texas.....	48,717	797	7,930	6,830	2,958	4,393	6,284	280	324	5,662	53,275		
RRC District 1	1,095	66	115	133	85	95	95	104	1	124	1,229		
RRC District 2 Onshore.....	1,849	13	286	360	162	296	275	13	35	311	1,934		
RRC District 3 Onshore.....	3,548	214	751	962	214	188	367	62	67	621	3,400		
RRC District 4 Onshore.....	9,055	126	1,301	1,595	571	806	1,205	7	83	1,350	9,067		
RRC District 5	5,460	67	1,077	425	298	628	514	7	48	495	6,583		
RRC District 6	6,959	110	929	692	216	502	987	19	81	713	7,966		
RRC District 7B	383	79	27	76	22	25	8	0	0	60	364		
RRC District 7C	4,791	-3	922	509	301	325	351	0	1	387	5,190		
RRC District 8	5,835	-6	789	826	304	421	597	50	5	559	6,002		
RRC District 8A	1,137	-2	252	40	18	49	16	4	0	117	1,281		
RRC District 9	3,639	-53	457	226	559	596	1,146	0	0	445	4,555		
RRC District 10	4,510	183	859	780	82	381	722	4	0	414	5,383		
State Offshore	456	3	165	206	126	81	1	10	3	66	321		
Utah.....	3,617	93	485	284	966	974	305	5	11	289	3,951		
Virginia.....	1,717	-19	39	69	0	0	146	0	0	72	1,742		
West Virginia.....	3,399	-281	686	265	73	26	191	0	1	175	3,509		
Wyoming	22,716	47	2,980	3,745	904	847	3,244	8	38	1,591	23,640		
Federal Offshore ^a	23,033	20	4,349	5,844	1,408	1,520	1,228	258	605	4,014	19,747		
Pacific (California)	511	1	22	17	114	103	0	0	0	47	459		
Gulf of Mexico (Louisiana) ^a	17,168	-5	2,098	3,301	1,029	1,214	1,145	214	530	2,890	15,144		
Gulf of Mexico (Texas).....	5,354	24	2,229	2,526	265	203	83	44	75	1,077	4,144		
Miscellaneous ^b	134	-1	8	43	2	2	17	4	0	9	110		
U.S. Total	197,145	170	28,116	27,291	11,583	13,558	19,068	790	1,244	20,017	201,200		

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2004 contained in the *Natural Gas Annual 2004*, DOE/EIA-0131(04).

Source: Energy Information Administration, Office of Oil and Gas.

Table 5. Nonassociated Natural Gas Proved Reserves, Reserves Changes, and Production, Wet After Lease Separation, 2004 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	2,081	-1	49	53	0	0	108	0	26	206	2,004	
Lower 48 States	166,512	192	24,058	24,068	10,579	12,571	18,053	756	1,121	17,069	171,547	
Alabama	4,313	28	163	157	30	0	132	3	0	325	4,127	
Arkansas	1,629	13	193	91	24	52	170	3	18	166	1,797	
California	759	41	84	62	115	109	23	0	5	77	767	
Coastal Region Onshore	1	0	1	0	0	0	6	0	0	0	8	
Los Angeles Basin Onshore...	0	0	0	0	0	0	0	0	0	0	0	
San Joaquin Basin Onshore ..	751	45	83	62	115	109	17	0	5	76	757	
State Offshore	7	-4	0	0	0	0	0	0	0	1	2	
Colorado	14,707	19	1,455	2,233	2,596	2,461	943	177	18	995	13,956	
Florida	0	0	0	0	0	0	0	0	0	0	0	
Kansas	5,058	67	795	683	147	180	48	1	0	396	4,923	
Kentucky	1,946	-21	184	155	5	0	101	0	0	87	1,963	
Louisiana	8,952	-12	974	1,110	912	572	1,922	13	119	1,283	9,235	
North	4,998	-19	328	373	588	284	1,533	5	11	445	5,734	
South Onshore.....	3,506	73	543	623	260	230	365	4	80	750	3,168	
State Offshore	448	-66	103	114	64	58	24	4	28	88	333	
Michigan	3,219	-90	204	298	14	15	88	0	31	194	2,961	
Mississippi	721	21	46	53	10	3	27	0	7	90	672	
Montana	956	-55	47	113	1	1	116	1	6	86	872	
New Mexico.....	16,681	-23	2,620	1,691	609	1,309	1,202	14	3	1,397	18,109	
East	2,205	9	407	322	166	371	294	14	3	338	2,477	
West.....	14,476	-32	2,213	1,369	443	938	908	0	0	1,059	15,632	
New York.....	365	-93	81	75	12	15	87	0	0	44	324	
North Dakota	181	-4	9	29	0	0	3	0	0	15	145	
Ohio	823	-60	93	55	0	0	29	0	0	63	767	
Oklahoma	15,176	-76	2,103	1,711	496	756	2,052	9	8	1,520	16,301	
Pennsylvania.....	2,333	-183	656	530	28	29	113	0	3	147	2,246	
Texas.....	42,280	738	6,711	6,016	2,658	4,029	6,037	277	322	4,992	46,728	
RRC District 1	1,047	64	106	126	84	95	94	104	0	116	1,184	
RRC District 2 Onshore.....	1,768	8	270	355	156	295	263	13	35	283	1,858	
RRC District 3 Onshore	3,044	187	542	747	177	170	355	61	67	543	2,959	
RRC District 4 Onshore	8,919	127	1,232	1,572	570	805	1,203	7	82	1,331	8,902	
RRC District 5	5,398	66	1,071	419	298	628	512	7	48	488	6,525	
RRC District 6	6,572	111	887	662	215	470	968	19	81	667	7,564	
RRC District 7B	314	66	16	72	16	21	5	0	0	46	288	
RRC District 7C	3,864	-2	811	463	272	274	293	0	1	310	4,196	
RRC District 8	3,032	-11	366	472	114	238	492	48	5	318	3,266	
RRC District 8A	100	-4	18	10	0	1	2	4	0	16	95	
RRC District 9	3,514	-72	441	191	551	587	1,142	0	0	425	4,445	
RRC District 10	4,258	194	793	721	79	365	707	4	0	387	5,134	
State Offshore	450	4	158	206	126	80	1	10	3	62	312	
Utah	3,318	90	454	243	937	947	284	5	11	268	3,661	
Virginia.....	1,717	-19	39	69	0	0	146	0	0	72	1,742	
West Virginia	3,376	-280	685	263	73	26	191	0	1	174	3,489	
Wyoming	22,266	73	2,949	3,699	889	827	3,242	8	38	1,537	23,278	
Federal Offshore ^a	15,616	18	3,508	4,692	1,021	1,238	1,080	241	531	3,133	13,386	
Pacific (California)	55	0	0	0	15	8	0	0	0	1	47	
Gulf of Mexico (Louisiana) ^a	11,326	-7	1,483	2,376	794	1,032	999	197	456	2,235	10,081	
Gulf of Mexico (Texas).....	4,235	25	2,025	2,316	212	198	81	44	75	897	3,258	
Miscellaneous ^b	120	0	5	40	2	2	17	4	0	8	98	
U.S. Total	168,593	191	24,107	24,121	10,579	12,571	18,161	756	1,147	17,275	173,551	

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2004 contained in the *Natural Gas Annual 2004*, DOE/EIA-0131(04).

Source: Energy Information Administration, Office of Oil and Gas.

Table 6. Associated-Dissolved Natural Gas Proved Reserves, Reserves Changes, and Production Wet After Lease Separation, 2004 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	6,267	1	589	155	0	0	33	0	9	275	6,469	
Lower 48 States	22,285	-22	3,420	3,015	1,004	987	874	34	88	2,467	21,180	
Alabama.....	32	3	1	0	0	0	1	0	0	5	32	
Arkansas	37	-1	7	0	0	0	0	1	0	4	40	
California	1,810	-11	378	98	20	45	84	0	0	182	2,006	
Coastal Region Onshore	173	-4	32	10	3	7	3	0	0	10	188	
Los Angeles Basin Onshore....	196	2	4	50	0	0	42	0	0	10	184	
San Joaquin Basin Onshore ..	1,365	-9	327	37	15	36	38	0	0	156	1,549	
State Offshore	76	0	15	1	2	2	1	0	0	6	85	
Colorado	1,186	-5	101	8	19	19	110	0	0	91	1,293	
Florida	92	0	0	1	0	0	0	0	0	3	88	
Kansas.....	85	-1	11	12	4	7	2	0	0	8	80	
Kentucky	25	0	1	7	0	0	0	0	0	0	19	
Louisiana	586	-1	145	153	42	34	51	5	7	75	557	
North	139	10	24	50	8	0	6	0	0	14	107	
South Onshore.....	368	-10	109	82	30	29	41	5	6	47	389	
State Offshore	79	-1	12	21	4	5	4	0	1	14	61	
Michigan	269	3	5	69	0	0	3	0	0	18	193	
Mississippi.....	27	-2	3	2	8	5	0	0	0	3	20	
Montana.....	112	-4	26	12	1	2	16	0	0	9	130	
New Mexico.....	1,545	31	316	197	122	105	126	8	1	235	1,578	
East	1,456	31	300	190	122	105	126	8	1	227	1,488	
West.....	89	0	16	7	0	0	0	0	0	8	90	
New York.....	0	0	0	0	0	0	0	0	0	0	0	
North Dakota.....	316	-26	87	35	12	25	5	0	2	42	320	
Ohio.....	304	-78	10	9	0	0	0	0	0	19	208	
Oklahoma	1,055	39	199	315	45	52	48	0	2	136	899	
Pennsylvania.....	164	-5	4	39	0	0	10	0	0	9	125	
Texas.....	6,437	59	1,219	814	300	364	247	3	2	670	6,547	
RRC District 1	48	2	9	7	1	0	1	0	1	8	45	
RRC District 2 Onshore.....	81	5	16	5	6	1	12	0	0	28	76	
RRC District 3 Onshore.....	504	27	209	215	37	18	12	1	0	78	441	
RRC District 4 Onshore.....	136	-1	69	23	1	1	2	0	1	19	165	
RRC District 5	62	1	6	6	0	0	2	0	0	7	58	
RRC District 6	387	-1	42	30	1	32	19	0	0	46	402	
RRC District 7B	69	13	11	4	6	4	3	0	0	14	76	
RRC District 7C	927	-1	111	46	29	51	58	0	0	77	994	
RRC District 8	2,803	5	423	354	190	183	105	2	0	241	2,736	
RRC District 8A	1,037	2	234	30	18	48	14	0	0	101	1,186	
RRC District 9	125	19	16	35	8	9	4	0	0	20	110	
RRC District 10	252	-11	66	59	3	16	15	0	0	27	249	
State Offshore	6	-1	7	0	0	1	0	0	0	4	9	
Utah.....	299	3	31	41	29	27	21	0	0	21	290	
Virginia.....	0	0	0	0	0	0	0	0	0	0	0	
West Virginia.....	23	-1	1	2	0	0	0	0	0	1	20	
Wyoming.....	450	-26	31	46	15	20	2	0	0	54	362	
Federal Offshore ^a	7,417	2	841	1,152	387	282	148	17	74	881	6,361	
Pacific (California)	456	1	22	17	99	95	0	0	0	46	412	
Gulf of Mexico (Louisiana) ^a	5,842	2	615	925	235	182	146	17	74	655	5,063	
Gulf of Mexico (Texas).....	1,119	-1	204	210	53	5	2	0	0	180	886	
Miscellaneous ^b	14	-1	3	3	0	0	0	0	0	1	12	
U.S. Total	28,552	-21	4,009	3,170	1,004	987	907	34	97	2,742	27,649	

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, Oregon, South Dakota, and Tennessee.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves." They may differ from the official Energy Information Administration production data for natural gas for 2004 contained in the *Natural Gas Annual 2004*, DOE/EIA-0131(04).

Source: Energy Information Administration, Office of Oil and Gas.

**Table 7. Natural Gas Liquids Proved Reserves, Reserves Changes, and Production,
Wet After Lease Separation, 2004 (Million Barrels of 42 U.S. Gallons)**

State and Subdivision	Published Proved Reserves 12/31/03	Changes in Reserves During 2004										Proved Reserves 12/31/04
		Adjustments (+,-)	Revision Increases (+)	Revision Decreases (-)	Sales (-)	Acquisitions (+)	Extensions (+)	New Field Discoveries (+)	New Reservoir Discoveries in Old Fields (+)	Estimated Production (-)		
Alaska	387	0	0	0	0	0	0	0	0	18	369	
Lower 48 States	7,072	273	1,232	1,135	442	554	734	26	54	809	7,559	
Alabama	60	-5	4	2	5	0	2	0	0	4	50	
Arkansas	3	0	0	0	0	0	0	0	0	0	3	
California	101	9	22	7	5	7	5	0	0	10	122	
Coastal Region Onshore	15	1	3	1	0	1	1	0	0	1	19	
Los Angeles Basin Onshore...	8	0	0	2	0	0	2	0	0	0	8	
San Joaquin Basin Onshore ..	78	8	19	4	5	6	2	0	0	9	95	
State Offshore	0	0	0	0	0	0	0	0	0	0	0	
Colorado	395	55	72	56	71	69	29	4	0	32	465	
Florida	17	-5	0	0	0	0	0	0	0	0	12	
Kansas	248	32	44	37	8	11	3	0	0	22	271	
Kentucky	66	4	7	6	0	0	4	0	0	3	72	
Louisiana	295	-8	54	57	32	23	38	0	6	56	263	
North	67	-2	8	7	8	6	17	0	0	7	74	
South Onshore.....	182	-2	34	38	17	11	18	0	4	39	153	
State Offshore	46	-4	12	12	7	6	3	0	2	10	36	
Michigan	48	4	6	7	0	0	1	0	0	4	48	
Mississippi	7	0	1	1	0	0	0	0	0	1	6	
Montana	8	-1	0	1	0	0	1	0	0	1	6	
New Mexico.....	875	-72	131	90	37	72	63	1	0	79	864	
East	272	-20	48	36	21	39	30	1	0	39	274	
West.....	603	-52	83	54	16	33	33	0	0	40	590	
North Dakota	45	-1	8	6	1	2	1	0	0	5	43	
Oklahoma	686	40	122	93	25	37	98	0	0	75	790	
Texas	2,517	115	445	398	147	218	318	14	15	296	2,801	
RRC District 1	29	6	4	4	3	2	2	4	0	4	36	
RRC District 2 Onshore.....	69	7	12	15	6	12	11	0	2	13	79	
RRC District 3 Onshore.....	207	32	50	63	14	13	28	4	5	41	221	
RRC District 4 Onshore.....	287	57	51	69	19	26	41	0	3	51	326	
RRC District 5	51	-2	9	6	2	4	3	0	0	4	53	
RRC District 6	248	10	50	29	8	19	36	1	3	26	304	
RRC District 7B	32	24	3	10	3	3	1	0	0	7	43	
RRC District 7C	345	18	69	49	27	29	28	0	0	30	383	
RRC District 8	498	-10	66	73	26	36	50	4	0	46	499	
RRC District 8A	163	11	39	6	3	8	2	1	0	18	197	
RRC District 9	236	-48	25	15	28	30	59	0	0	24	235	
RRC District 10	347	10	67	58	6	34	57	0	0	31	420	
State Offshore	5	0	0	1	2	2	0	0	2	1	5	
Utah and Wyoming	898	-20	150	158	50	46	122	0	1	62	927	
West Virginia	68	7	16	6	2	1	5	0	0	4	85	
Federal Offshore ^a	725	119	148	208	59	68	44	7	32	155	721	
Pacific (California)	8	0	0	0	0	0	0	0	0	0	8	
Gulf of Mexico (Louisiana) ^a	598	118	104	168	57	66	43	7	31	127	615	
Gulf of Mexico (Texas).....	119	1	44	40	2	2	1	0	1	28	98	
Miscellaneous ^b	10	0	2	2	0	0	0	0	0	0	10	
U.S. Total	7,459	273	1,232	1,135	442	554	734	26	54	827	7,928	

^aIncludes Federal offshore Alabama.

^bIncludes Arizona, Illinois, Indiana, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Oregon, Pennsylvania, South Dakota, Tennessee, and Virginia.

Note: The production estimates in this table are based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." They may differ from the official Energy Information Administration production data for natural gas and natural gas liquids for 2004 contained in the publications *Petroleum Supply Annual 2004*, DOE/EIA-0340(04) and *Natural Gas Annual 2004* DOE/EIA-0131(04).

Source: Energy Information Administration, Office of Oil and Gas.

Table 8. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2004

Year	Gulf of Mexico			Depth		Deepwater Percentage
	Total	Louisiana ^a	Texas	Greater than 200 meters	Less than 200 meters	
Crude Oil (million barrels of 42 U.S. gallons)						
Production						
1992	267	253	14	46	221	17.2
1993	266	252	14	46	220	17.3
1994	265	245	20	53	212	20.1
1995	292	262	30	77	215	26.4
1996	303	265	38	90	213	29.7
1997	342	298	44	123	219	36.0
1998	372	336	36	171	201	46.0
1999	421	376	45	228	193	54.2
2000	419	381	38	234	185	55.8
2001	459	417	42	286	173	62.2
2002	452	395	57	288	164	63.8
2003	485	426	59	336	149	69.3
2004	467	404	63	310	157	66.4
Reserves						
1992	1,835	1,643	192	557	1,278	30.4
1993	2,072	1,880	192	824	1,248	39.8
1994	2,127	1,922	205	877	1,250	41.2
1995	2,518	2,269	249	1,241	1,277	49.3
1996	2,567	2,357	210	1,311	1,256	51.1
1997	2,949	2,587	362	1,682	1,267	57.0
1998	2,793	2,483	310	1,611	1,182	57.8
1999	2,744	2,442	302	1,626	1,118	59.3
2000	3,174	2,751	423	2,021	1,153	63.7
2001	4,288	3,877	411	3,208	1,080	74.8
2002	4,444	4,088	356	3,372	1,072	75.9
2003	4,554	4,251	303	3,627	927	79.6
2004	4,144	3,919	225	3,280	864	79.2

^aIncludes Federal Offshore Alabama.

Source: Based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves."

**Table 8. Deepwater Production and Proved Reserves of the Gulf of Mexico Federal Offshore, 1992-2004
(continued)**

Year	Gulf of Mexico			Depth		
	Total	Louisiana ^a	Texas	Greater than 200 meters	Less than 200 meters	Deepwater Percentage
Natural Gas, Wet After Lease Separation (billion cubic feet at 14.73 psia and 60° Fahrenheit)						
Production						
1992	4,576	3,292	1,284	166	4,410	3.6
1993	4,651	3,383	1,268	229	4,422	4.9
1994	4,797	3,505	1,292	294	4,503	6.1
1995	4,679	3,421	1,258	354	4,315	7.8
1996	5,045	3,752	1,293	549	4,496	10.9
1997	5,230	3,984	1,246	577	4,653	11.0
1998	4,967	3,817	1,150	724	4,243	14.6
1999	5,000	3,829	1,171	1,124	3,876	22.5
2000	4,901	3,747	1,154	1,196	3,705	24.4
2001	5,027	3,843	1,184	1,367	3,660	27.2
2002	4,544	3,541	1,003	1,365	3,180	30.0
2003	4,397	3,330	1,067	1,545	2,852	35.1
2004	3,967	2,890	1,077	1,251	2,716	31.5
Reserves						
1992	27,050	20,006	7,044	3,273	23,777	12.1
1993	26,463	19,751	6,712	3,495	22,968	13.2
1994	27,626	21,208	6,418	4,772	22,854	17.3
1995	28,229	21,664	6,565	5,811	22,418	20.6
1996	28,153	22,119	6,034	6,389	21,764	22.7
1997	28,455	22,428	6,027	7,491	20,964	26.3
1998	26,937	21,261	5,676	7,575	19,362	28.1
1999	26,062	20,172	5,890	7,726	18,336	29.6
2000	26,891	20,466	6,425	8,731	18,160	32.5
2001	27,100	20,290	6,810	11,229	15,871	41.4
2002	25,347	19,113	6,234	10,540	14,807	41.6
2003	22,522	17,168	5,354	10,041	12,481	44.6
2004	19,288	15,144	4,144	8,591	10,698	44.5

^aIncludes Federal Offshore Alabama.

Source: Based on data reported on Form EIA-23, "Annual Survey of Domestic Oil and Gas Reserves."

Table 9. Coalbed Natural Gas Proved Reserves and Production for 1989–2004
 (Billion Cubic Feet at 14.73 psia and 60° Fahrenheit)

Year	Alabama	Colorado	New Mexico	Utah	Wyoming	Eastern States ^a	Western States ^b	Others ^c	United States
Reserves									
1989	537	1,117	2,022	NA	NA	NA	NA	0	3,676
1990	1,224	1,320	2,510	NA	NA	NA	NA	33	5,087
1991	1,714	2,076	4,206	NA	NA	NA	NA	167	8,163
1992	1,968	2,716	4,724	NA	NA	NA	NA	626	10,034
1993	1,237	3,107	4,775	NA	NA	NA	NA	1,065	10,184
1994	976	2,913	4,137	NA	NA	NA	NA	1,686	9,712
1995	972	3,461	4,299	NA	NA	NA	NA	1,767	10,499
1996	823	3,711	4,180	NA	NA	NA	NA	1,852	10,566
1997	1,077	3,890	4,351	NA	NA	NA	NA	2,144	11,462
1998	1,029	4,211	4,232	NA	NA	NA	NA	2,707	12,179
1999	1,060	4,826	4,080	NA	NA	NA	NA	3,263	13,229
2000	1,241	5,617	4,278	1,592	1,540	1,399	41	--	15,708
2001	1,162	6,252	4,324	1,685	2,297	1,453	358	--	17,531
2002	1,283	6,691	4,380	1,725	2,371	1,488	553	--	18,491
2003	1,665	6,473	4,396	1,224	2,759	1,528	698	--	18,743
2004	1,900	5,787	5,166	934	2,085	1,620	898	--	18,390
Production									
1989	23	12	56	NA	NA	NA	NA	0	91
1990	36	26	133	NA	NA	NA	NA	1	196
1991	68	48	229	NA	NA	NA	NA	3	348
1992	89	82	358	NA	NA	NA	NA	10	539
1993	103	125	486	NA	NA	NA	NA	18	752
1994	108	179	530	NA	NA	NA	NA	34	851
1995	109	226	574	NA	NA	NA	NA	47	956
1996	98	274	575	NA	NA	NA	NA	56	1,003
1997	111	312	597	NA	NA	NA	NA	70	1,090
1998	123	401	571	NA	NA	NA	NA	99	1,194
1999	108	432	582	NA	NA	NA	NA	130	1,252
2000	109	451	550	74	133	58	4	--	1,379
2001	111	490	517	83	278	69	14	--	1,562
2002	117	520	471	103	302	68	33	--	1,614
2003	98	488	451	97	344	71	51	--	1,600
2004	121	520	528	82	320	72	77	--	1,720

^aIncludes Indiana, Ohio, Pennsylvania, Virginia, and West Virginia.

^bIncludes Arkansas, Kansas, Montana, and Oklahoma.

^cIncludes Oklahoma, Pennsylvania, Utah, Virginia, West Virginia, and Wyoming; these states are individually listed or grouped in Eastern States and Western States for 2000–2004.

NA -- Not applicable.

Source: Energy Information Administration, Office of Oil and Gas.

Figure 1. U.S. Crude Oil Proved Reserves, 1994 – 2004

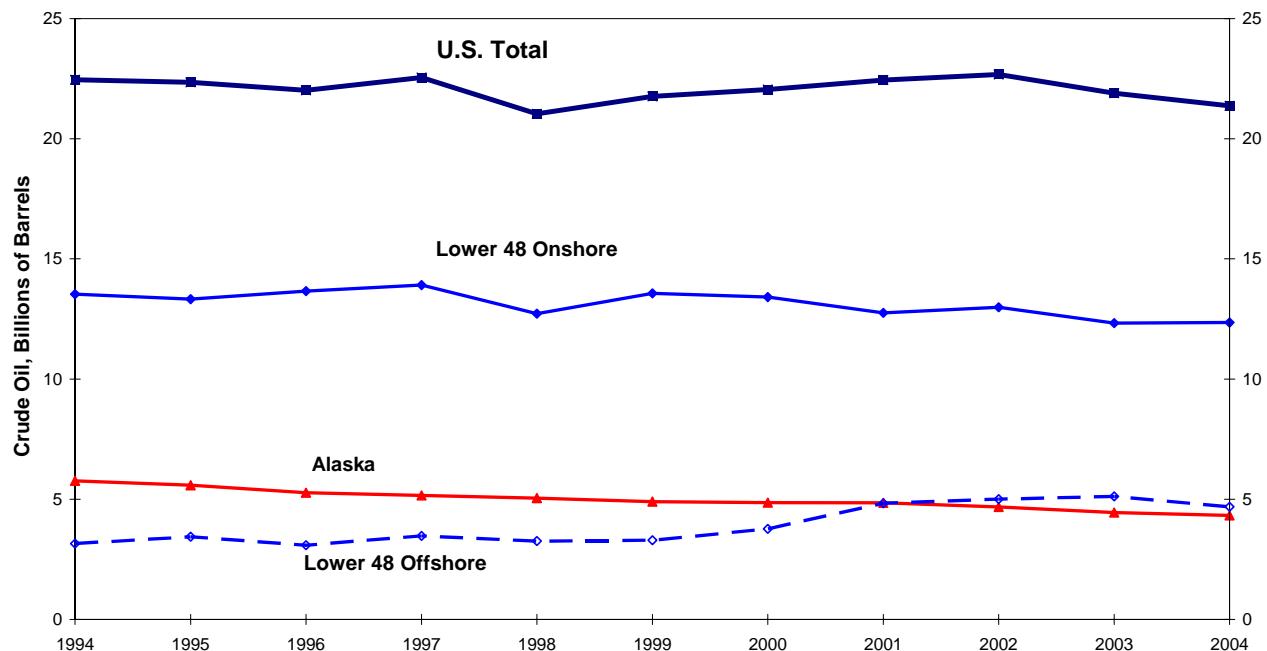
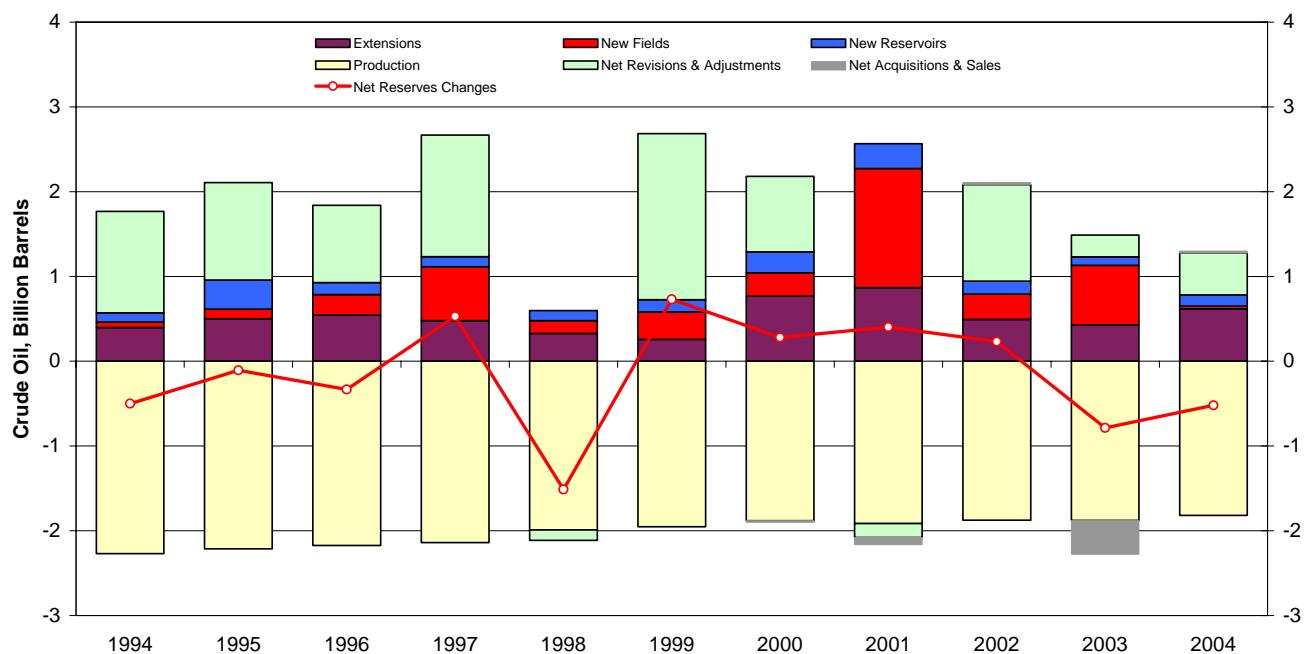


Figure 2. Components of Reserves Changes for Crude Oil, 1994 – 2004



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1994 through 2004 annual reports, DOE/EIA-0216.

Figure 3. U.S. Dry Natural Gas Proved Reserves, 1994 – 2004

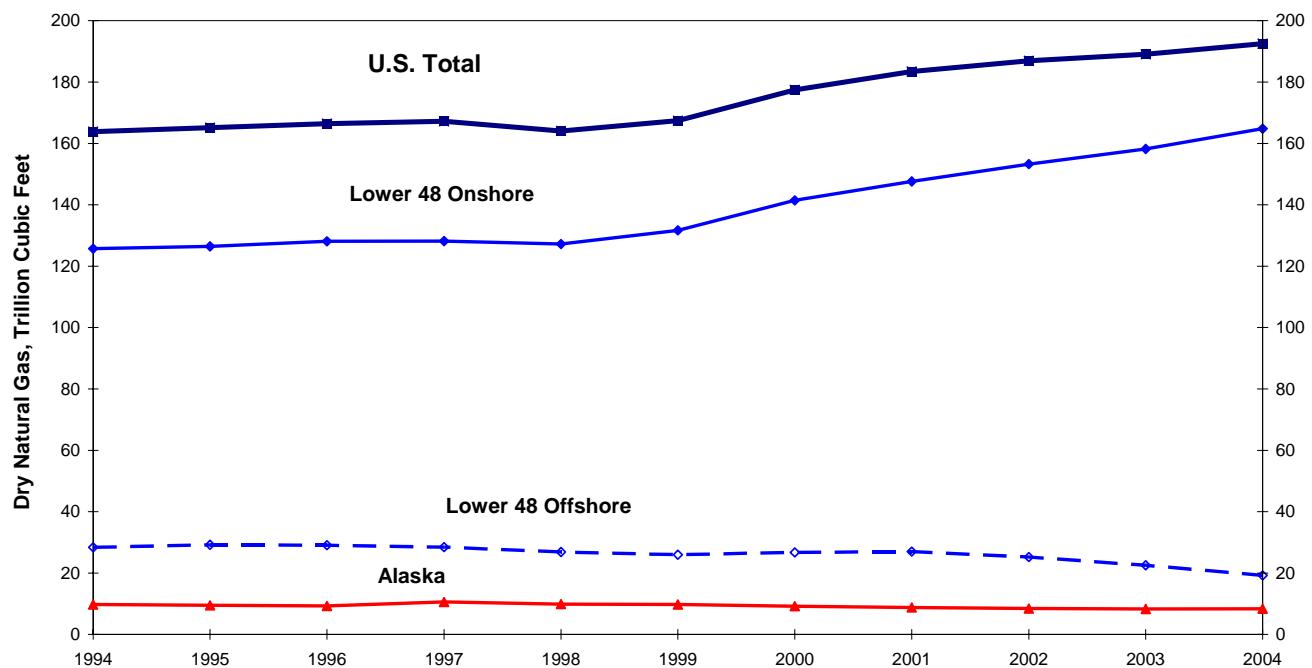
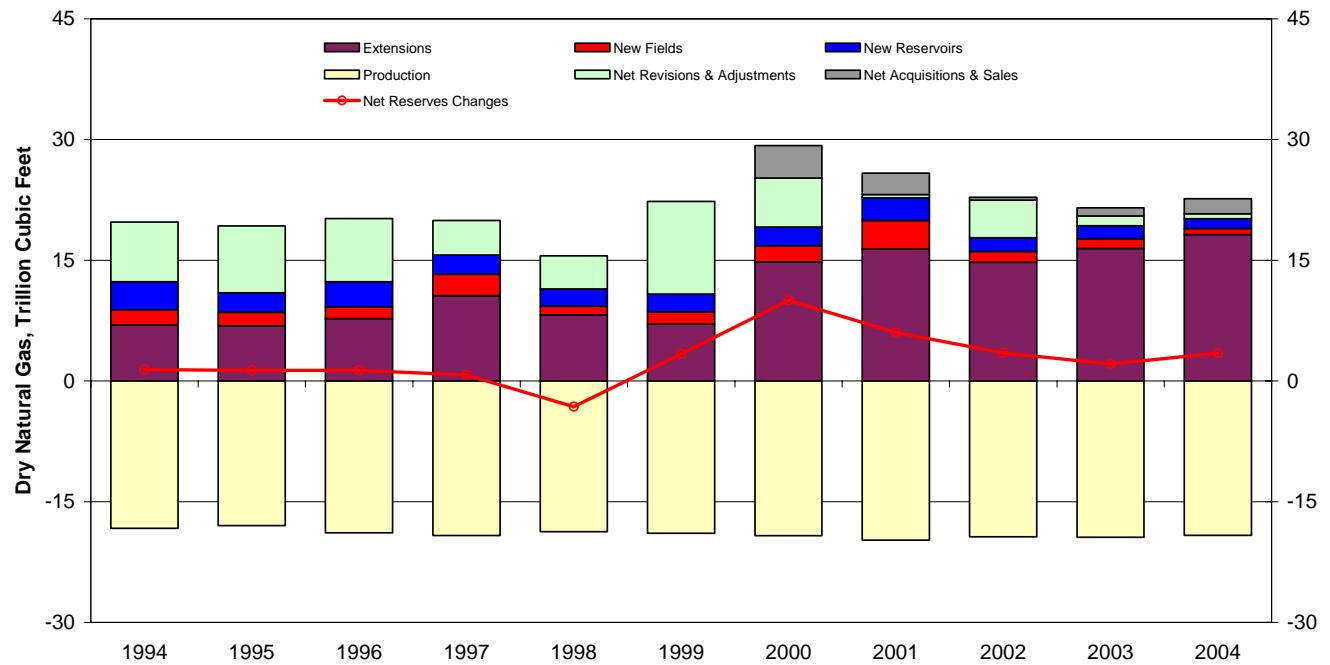


Figure 4. Components of Reserves Changes for Dry Natural Gas, 1994 – 2004



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1994 through 2004 annual reports, DOE/EIA-0216.

Figure 5. Crude Oil Production Replaced by Reserves Additions, 1994 – 2004

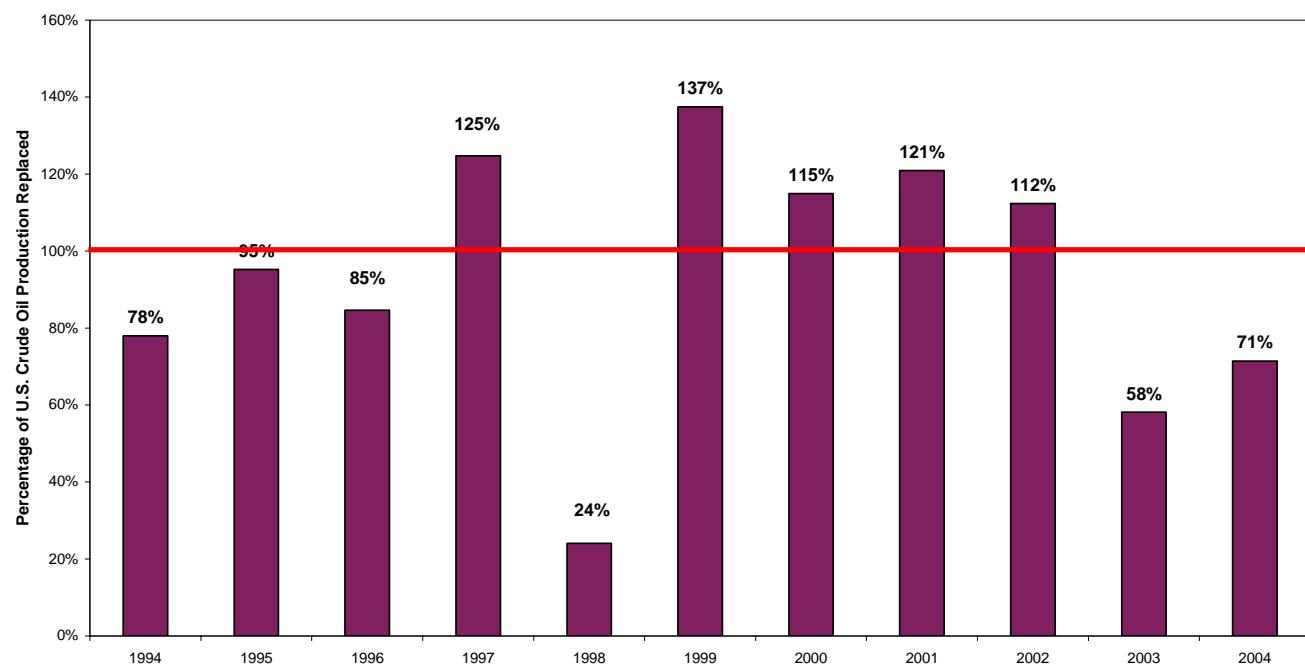
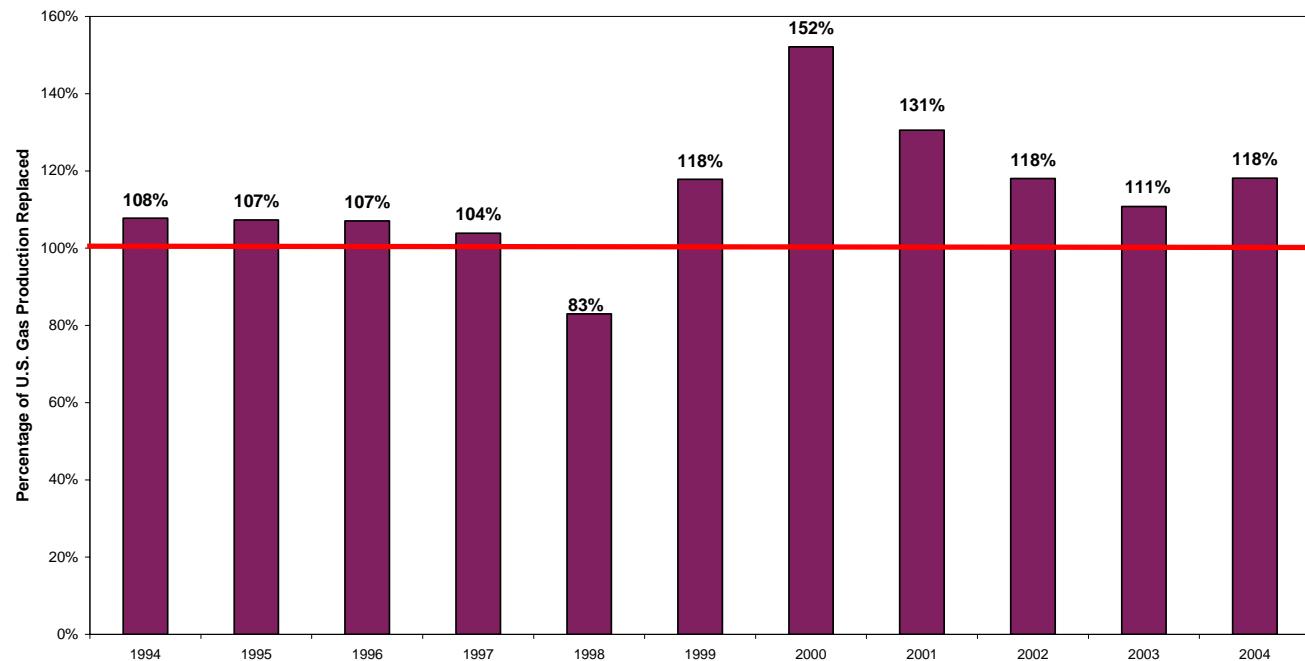


Figure 6. Dry Natural Gas Production Replaced by Reserves Additions, 1994 – 2004



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1994 through 2004 annual reports, DOE/EIA-0216.

Figure 7. Exploratory Wells Drilled, 1994 – 2004

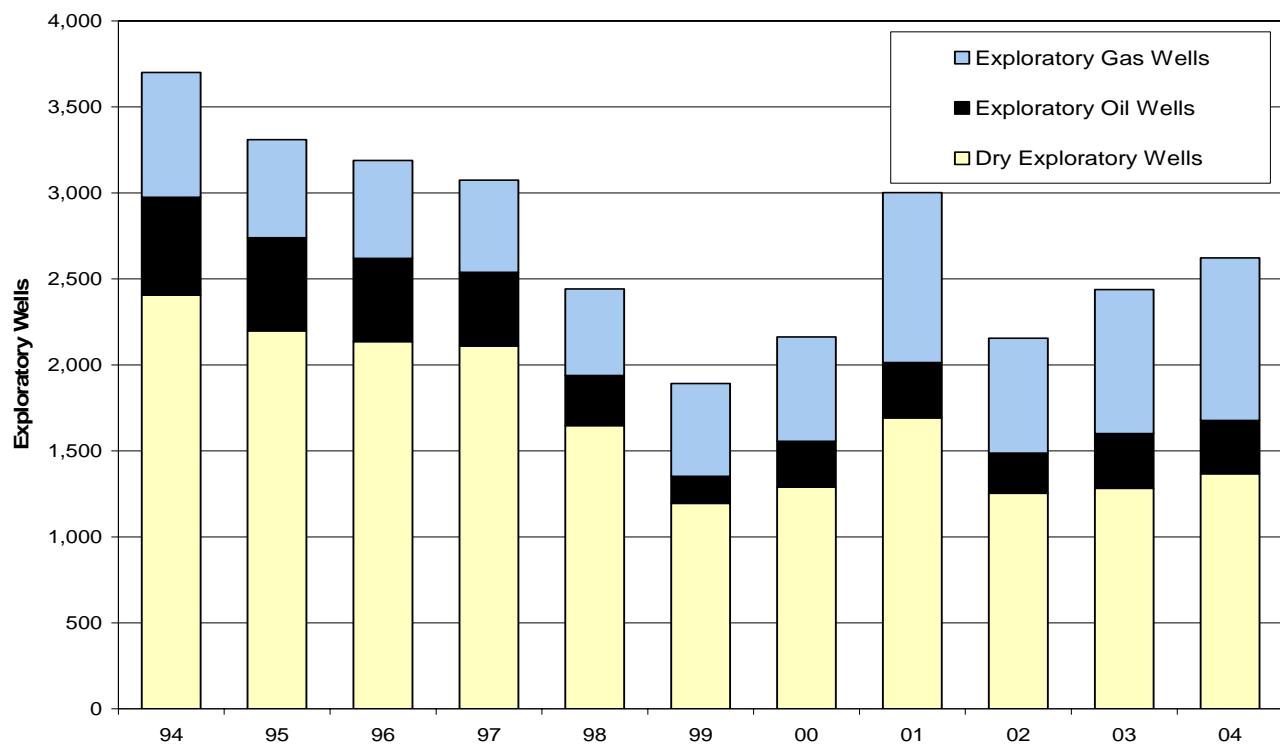
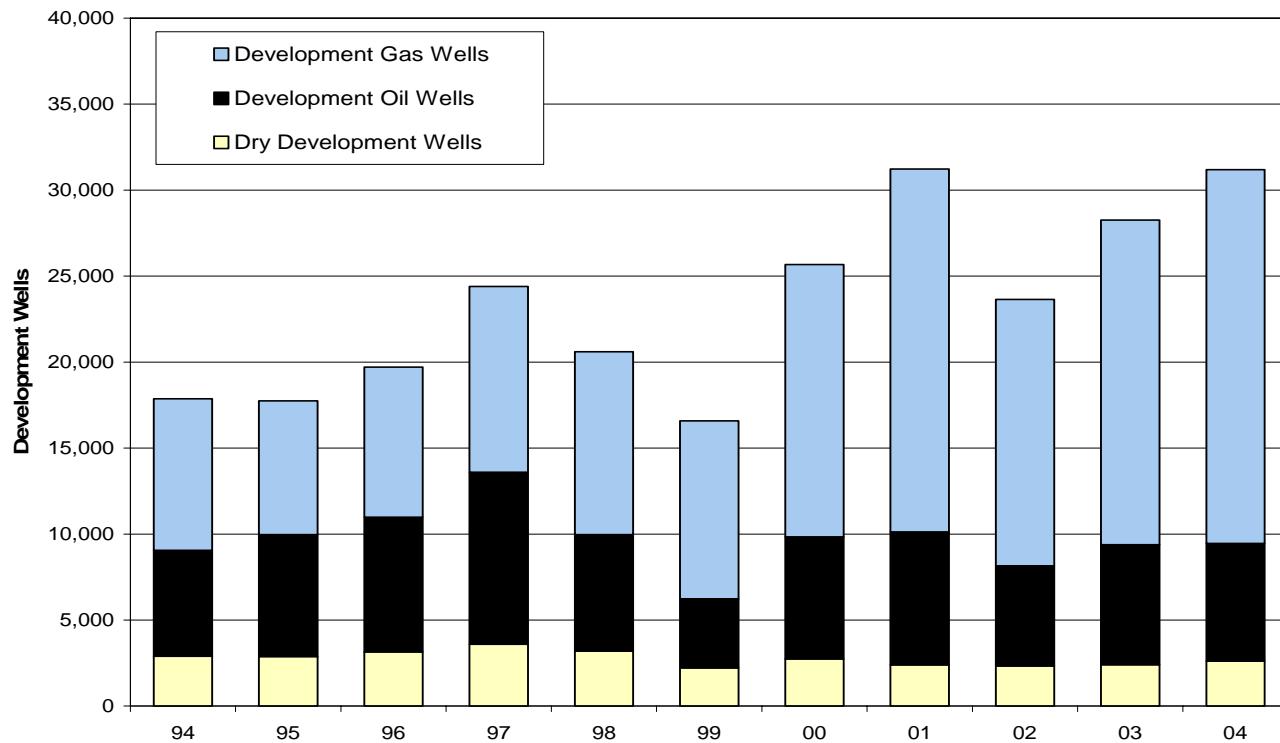


Figure 8. Development Wells Drilled, 1994 – 2004



Source: EIA *Monthly Energy Review*, Table 5.2 Crude Oil and Natural Gas Wells Drilled, August 2005.

Figure 9. U.S. Coalbed Natural Gas Proved Reserves, 1989 – 2004

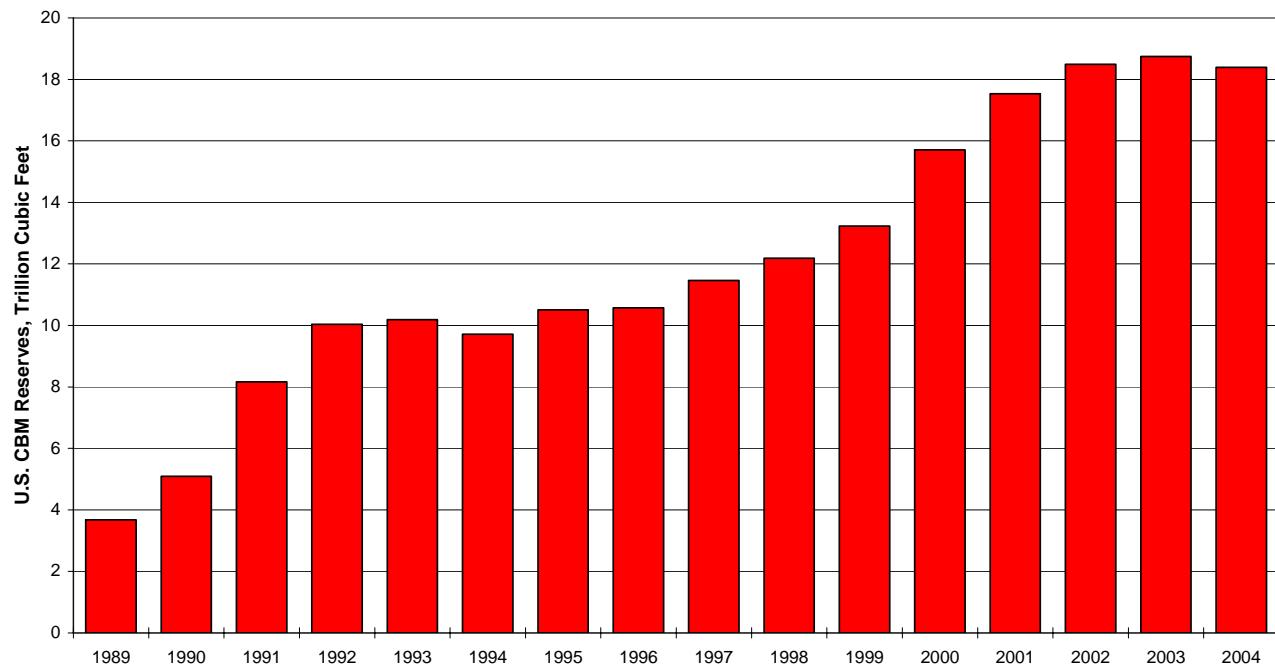
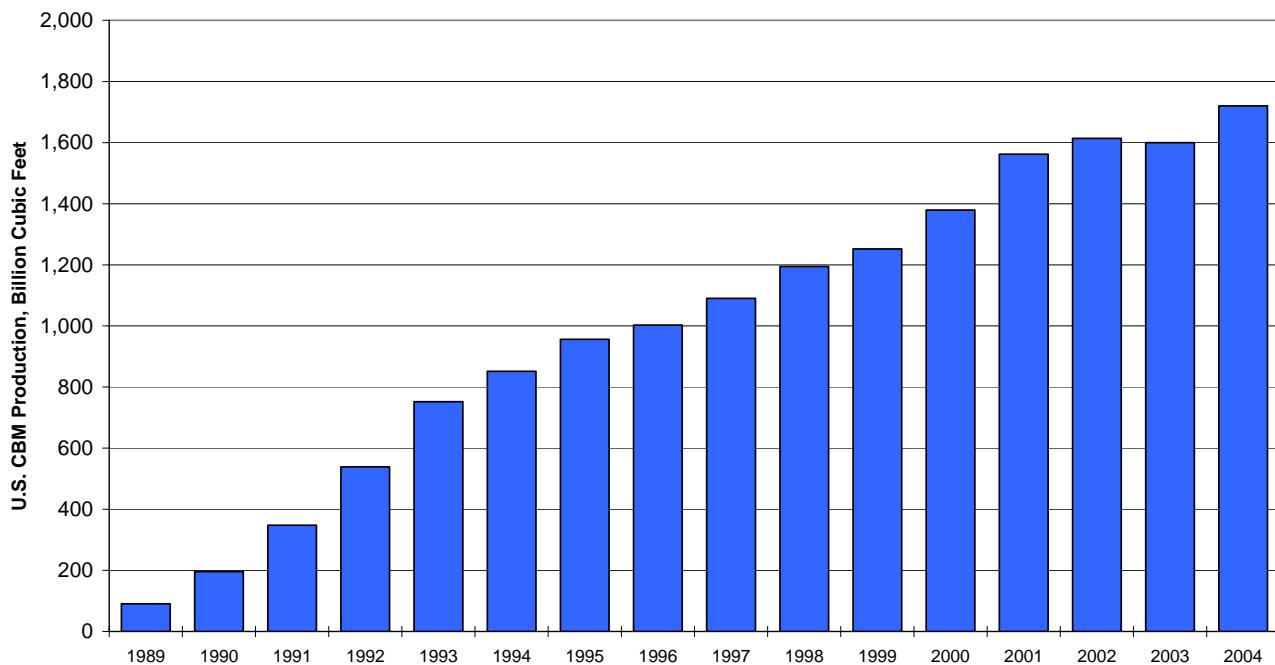


Figure 10. U.S. Coalbed Natural Gas Production, 1989 – 2004



Source: U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1989 through 2004 annual reports, DOE/EIA-0216.